

## EPA Official Record

**Notes ID:** B8C2A7C97B644026862578A4004ABB30

**From:** Robert Puls/ADA/USEPA/US

**To:** John Satterfield <john.satterfield@chk.com>

**Copy To:** Chris Hill <chris.hill@chk.com>; Paul Hagemeyer <paul.hagemeyer@chk.com>

**Delivered Date:** 06/03/2011 09:45 AM EDT

**Subject:** Re: FW: Any progress on EPA HF study site identification?

John

I have the following concerns. There appears to be a lack of wells for sampling within 1/2 mile (maybe 2 industry wells? - what are these?). This would mean putting in more than 3 monitoring wells. Do we know the depth to GW and the nature of the overburden material? I have had to make decisions on the timing of other case studies since last we communicated a month ago and so the schedule you propose would need to slip another month which apparently would be OK. I suggest we meet/call again soon to discuss the proposed site and plan a trip to the location. I would also propose have a plan B if at all possible (alternate site). I see no problem with having a spud date anywhere from Dec to May.

Bob

**Robert W. Puls, Ph.D.**

Ground Water and Ecosystems Restoration Division  
National Risk Management Research Laboratory, USEPA  
P.O. Box 1198 / 919 Kerr Research Dr.  
Ada, OK 74820

[puls.robert@epa.gov](mailto:puls.robert@epa.gov)

580-436-8543 (phone)

405-323-8119 (mobile)

▼ John Satterfield ---06/02/2011 07:30:05 AM---Bob, The tentative timeline developed in our previous meeting is shown below. This timeline reflects

From: John Satterfield <john.satterfield@chk.com>

To: Robert Puls/ADA/USEPA/US@EPA

Cc: Chris Hill <chris.hill@chk.com>

Date: 06/02/2011 07:30 AM

Subject: FW: Any progress on EPA HF study site identification?

Bob,

The tentative timeline developed in our previous meeting is shown below. This timeline reflects the slip in schedule due to the quality requirements of the project.

Phase	Conservative Duration	Tentative Date	Comments
QAPP & Land Owner Notice/Agreements & Monitoring Well Construction	3 months	August 1	CHK is assumed to be responsible for the construction of 3 monitoring wells

Implement/Conduct Baseline Sampling	2 months	October 1	
Pad Construction to Spud Date	1 month	November 1	
Drilling	0.5 months	November 15	Sample after drilling. Flexibility in spud date (Nov 15 to Dec. 30)
Fracking	0.5 months	TBD	The timing associated with fracking is highly dependent on equipment availability. Sampling after fracking
Production Construction / Pipeline	0.5 months	TBD	Commercial production of gas is dependent on pipeline access. Duration of production sampling has not been determined.

After further investigation, it has been determined that the preferred site discussed in our May 3<sup>rd</sup> meeting (Sec 33-15N-14W) cannot be utilized given the schedule above. Although SEC 33-15N-14W lease did not have an expiration date until July 2013, the lease has apparently been pooled with other mineral rights in the area to form a drilling unit with an expiration date of July 2011.

An alternative site, CHK MIN 15-11-13, has been determined to be more conducive to a spud date between Nov 15<sup>th</sup> and Dec 30<sup>th</sup>. Please see the attached data sheet for the details associated with this well, and let me know if you have any question, concerns or would like addition information regarding this site. I would like to discuss setting up some site reconnaissance at your convenience.

Thanks,

John

---

This email (and attachments if any) is intended only for the use of the individual or entity to which it is addressed, and may contain information that is privileged, confidential and exempt from disclosure under applicable law. If the reader of this email is not the intended recipient, or the employee or agent responsible for delivering this message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately by return email and destroy all copies of the email (and attachments if any). [attachment "EPA Hydraulic Fracturing Study Proposed Prospective Site CHK MIN 15-11-13.docx" deleted by Robert Puls/ADA/USEPA/US]